

## ABSTRACT OF THE DISCLOSURE

An image forming apparatus includes a developing device including a developing receptacle for accommodating a developer including a toner and a carrier, and a detector for outputting a signal corresponding to a toner density of the developer within the developer receptacle, a replenishing member for replenishing the toner to the developing receptacle in accordance with an output value from the detector, a first storage unit having a storage region storing information relating to characteristics of the developer, and a controller for controlling a replenishing operation by the replenishing member based on the output value from the detector and the information relating to characteristics of the developer.

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